

0062623

SAF-B04-004
100 BC Burial Grounds –
Other Solid Quick Turn
FINAL DATA PACKAGE

E:MAIL RESULTS TO:

Dave Shea

NA
INITIAL/DATE

Dean Strom

NA
INITIAL/DATE

COMPLETE COPY OF DATA PACKAGE TO:

Dave Shea

X3-40

mjp 6-24-04
INITIAL/DATE

Dean Strom

X3-40

mjp 6-24-04
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE COVER SHEET)

SDG

20040806

SAF-B04-004

Rad only X Chem only Rad & Chem

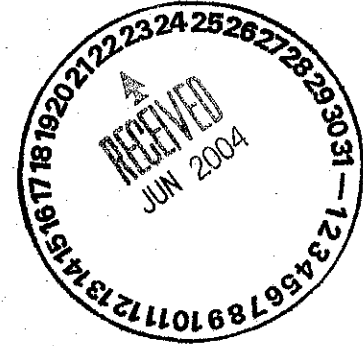
X Complete Partial

Sample Location/Waste Site: 118-B-1 Anomaly

RECEIVED
SEP 13 2004

EDMC

WSCF
ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT



for

Bechtel Hanford, Inc.
MSIN H9-02
Richland, WA 99352

Attention: J. Kessner MSIN: H9-02

Survey ID J01J14

Data Validator

A handwritten signature in black ink, appearing to read 'J. Kessner', written over a horizontal line.

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Group#: 20040806
Report Date 21-jun-2004
bulk/rev.r6

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Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352

Phone 373-7403

WSCF

ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

Your samples have been analyzed for fiber content using polarized light microscopy and dispersion staining in accordance with Industrial Hygiene Laboratory Procedure LA-519-403, based on 40 CFR Part 763, Subpart E, App. E and EPA method EPA/600/R-93/116. The results are attached.

This method provides a visual estimate of the percentage of each fiber type present. It is a semiquantitative method intended to identify materials containing $>$ or $=$ 1% asbestos fibers.* Reported fiber percentages for samples and sample layers are based on the samples as received by the laboratory. The laboratory cannot verify that these values are representative of the original material sampled.

The Waste Sampling and Characterization Facility is accredited by the American Industrial Hygiene Association (AIHA) to analyze bulk samples for asbestos content. This accreditation does not constitute approval or endorsement of analytical results by AIHA.

If there are questions concerning this report, please contact the data validator listed on the cover page of this report.

* Because of the nonhomogeneous nature of soils, results will be reported using the following terms rather than percentages:

1. None - No asbestos fibers found.
2. Trace detectable - With extensive searching, a few fibers of the type indicated were found; concentration very low, well below 1%.
3. Obvious presence - Fibers easily found but overall concentration still low.
4. Significant presence - Fibers readily found; overall concentration may approach or exceed 1% level.

Polarized light microscopy (PLM) may not be the preferred method for identification of asbestos in floor tile. Most vinyl floor tiles marketed in the late sixties to mid-seventies contained asbestos milled so fine as to be below detection limits for PLM techniques. Tiles of that vintage, showing any detectable asbestos fibers should be considered to be asbestos-containing material. Non-detection of asbestos by PLM should not be considered conclusive proof that the tiles do not contain asbestos. Results for such samples will be reported as 'indeterminate'. Confirmatory analysis by TEM is strongly recommended.

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ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040806

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
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W04I002468 J01J14

The following are the results of this test-

Bulk Asbestos Layer 1

Cellulose

<

1

%

sdb

05/13/04

05/14/04

05/14/04

SAMPLE COMMENT--- Non-homogeneous black rubber with white granular material on
SAMPLE COMMENT--- the surface, reportedly from the 100B/118B-1/Anomaly 100BC-
SAMPLE COMMENT--- 04-0016. No asbestos was found in this sample.

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ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040806

Sample #	Client ID	Lab Area	Test	Comment
W04002468	J01J14	VALGROUP		Validated 6/17/04 by SD Bolling, IH Technical Manager.
		LOGSAMP		Received and logged by SD Bolling 5/14/04.
				Sample acceptable upon receipt.
				MEDIA: Bulk
		TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous black rubber with white granular material on the surface, reportedly from the 100B/118B-1/Anomaly 100BC-04-0016. No asbestos was found in this sample.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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Bechtel Hanford Inc.			CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						B04-004-046		Page 1 of 1								
Collector D.Bowers/D.Shea			Company Contact Dave Shea			Telephone No. 373-6425			Project Coordinator KESSNER, JH			Price Code 3E		Data Turnaround					
Project Designation 100 BC Burial Grounds - Other Solid Quick Turn			Sampling Location 100B/118-B-1/anomaly 100BC-04-0016			SAF No. B04-004			Air Quality <input type="checkbox"/> 1 water										
Ice Chest No. <i>ERC 97.079</i>			Field Logbook No. EFL-1173-1			COA R118B12F20			Method of Shipment Gov vehicle										
Shipped To Waste Sampling & Characterization			Offsite Property No. <i>NA</i>			Bill of Lading/Air Bill No. <i>NA</i>													
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Potentially Radioactive</i> Special Handling and/or Storage <i>No</i>			Preservation																
			Type of Container	G/P															
			No. of Container(s)	1															
			Volume	60mL															
SAMPLE ANALYSIS <i>RF 5.14.04</i>					Asbestos														
Sample No.		Matrix *	Sample Date		Sample Time														
J01J14 WC4I002468		OTHER SOLID	5/13/04		5/13/04		✓												
					1032														
CHAIN OF POSSESSION			Sign/Print Names			SPECIAL INSTRUCTIONS								Matrix *					
Relinquished By/Removed From <i>DShea DSHEA</i>			Date/Time <i>5/13/04 1726</i>		Received By/Stored In <i>Fridge IA</i>			Date/Time <i>5/13/04 1726</i>		<div>Personnel not available to Relinquish samples from 3728 Ref # <i>1A</i> on <i>5/14/04</i></div>								S=Soil SE=Sediment SO=Solid Sl=Sludge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From <i>IA</i>			Date/Time <i>3728 5.14.04 0915</i>		Received By/Stored In <i>R.F. R. Faller</i>			Date/Time <i>5.14.04</i>											
Relinquished By/Removed From <i>R.F. R.F. Faller</i>			Date/Time <i>5.14.04 0950</i>		Received By/Stored In <i>SDBolling Stacey O'Brien</i>			Date/Time <i>5/14/04 950</i>											
Relinquished By/Removed From <i>SDBolling Stacey O'Brien</i>			Date/Time <i>5/14/04 1100</i>		Received By/Stored In <i>Storage</i>			Date/Time											
Relinquished By/Removed From			Date/Time		Received By/Stored In			Date/Time											
Relinquished By/Removed From			Date/Time		Received By/Stored In			Date/Time											
LABORATORY SECTION		Received By <i>SDBolling Stacey O'Brien</i>		Title <i>IH Tech Man</i>		Disposal Method		Date/Time <i>5/14/04 950</i>											
FINAL SAMPLE DISPOSITION								Date/Time											